CD Creative Diagnostics®

Goat anti-Rat AGXT polyclonal antibody (DPAB-DC1164)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes alanine-glyoxylate aminotransferase, which catalyzes the interconversion of L-alanine and glyoxylate to pyruvate and glycine. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. The longer transcript variant includes an upstream translation start codon and a downstream translation start codon. The upstream start codon initiates the translation of the mitochondrial enzyme precursor while the downstream start codon initiates the translation of the peroxisomal enzyme (see PMID:2332438).
Immunogen	A synthetic peptide corresponding to amino acids at internal region of rat Agxt. The sequence is C-DKAKSKVYSRKTK
Source/Host	Goat
Species Reactivity	Rat
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 μg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide

Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Agxt alanine-glyoxylate aminotransferase [Rattus norvegicus (Norway rat)]
Official Symbol	AGXT
Synonyms	AGXT; alanine-glyoxylate aminotransferase; AGT; SPT; Spat; serine--pyruvate aminotransferase, mitochondrial; angiotensin receptor 2; serine-pyruvate aminotransferase; alanine--glyoxylate aminotransferase; serine:pyruvate aminotransferase SPT; serine--pyruvate aminotransferase, peroxisomal; serine:pyruvate/alanine:glyoxylate aminotransferase;
Entrez Gene ID	24792
Protein Refseq	NP_001257588
UniProt ID	P09139
Chromosome Location	9q34-q36
Pathway	Alanine and aspartate metabolism; Alanine, aspartate and glutamate metabolism; Carbon metabolism; Glycine, serine and threonine metabolism
Function	alanine-glyoxylate transaminase activity; amino acid binding; protein homodimerization activity; pyridoxal phosphate binding